

Claims:

1. A sheet-state ink-jet recording material which comprises a water-resistant support and at least one ink-receptive layer  
5 provided on the support, wherein at least one of the ink-receptive layers contains inorganic fine particles having an average primary particle size of 30 nm or less and a hydrophilic binder, and a longitudinal direction of the sheet-state ink-jet recording material is cut at a right angle to a flowing direction of the  
10 recording material at a time of coating the ink-receptive layer.
2. The sheet-state ink-jet recording material according to Claim 1, wherein the water-resistant support is a polyolefin resin-coated paper support.  
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3. The sheet-state ink-jet recording material according to Claim 2, wherein the polyolefin resin-coated paper support has a subbing layer having a solid content-coated amount of 10 to 500 mg/m<sup>2</sup>.  
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4. The sheet-state ink-jet recording material according to Claim 2, wherein the polyolefin resin-coated paper support has a subbing layer having a solid content-coated amount of 20 to 300 mg/m<sup>2</sup>.  
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5. The sheet-state ink-jet recording material according to Claim 2, wherein the polyolefin resin-coated paper support has a water content of 6% or more.
- 30 6. The sheet-state ink-jet recording material according to Claim 2, wherein the polyolefin resin-coated paper support is a support wherein both surfaces of a base paper are covered by a polyethylene resin layer, the polyethylene resin layer at the side on which an ink-receptive layer is provided comprises 90%  
35 by weight or more of a low density polyethylene resin having a density of 0.930 g/cm<sup>3</sup> or less based on the total resin, and

the polyethylene resin layer at the side opposed to the above side comprises 30% by weight or more of a high density polyethylene resin having a density of 0.950 g/cm<sup>3</sup> or more based on the total resin.

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7. The sheet-state ink-jet recording material according to Claim 2, wherein the polyolefin resin-coated paper support is a support wherein both surfaces of a base paper are covered by a polyethylene resin layer, the polyethylene resin layer at the  
10 side on which an ink-receptive layer is provided comprises 90% by weight or more of a low density polyethylene resin having a density of 0.930 g/cm<sup>3</sup> or less based on the total resin, and the polyethylene resin layer at the side opposed to the above side comprises 50% by weight or more of a high density polyethylene  
15 resin having a density of 0.950 g/cm<sup>3</sup> or more based on the total resin.

8. The sheet-state ink-jet recording material according to Claim 1, wherein the inorganic fine particles are contained in  
20 the ink-receptive layer in an amount of 50% by weight or more based on the total solid content of the ink-receptive layer.

9. The sheet-state ink-jet recording material according to Claim 1, wherein the inorganic fine particles are contained in  
25 the ink-receptive layer in an amount of 60% by weight or more based on the total solid content of the ink-receptive layer.

10. The sheet-state ink-jet recording material according to Claim 1, wherein the ink-receptive layer contains the inorganic  
30 fine particles in an amount of 8 g/m<sup>2</sup> or more.

11. The sheet-state ink-jet recording material according to Claim 1, wherein the ink-receptive layer contains the inorganic fine particles in an amount of 10 to 30 g/m<sup>2</sup>.

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12. The sheet-state ink-jet recording material according to

Claim 1, wherein the inorganic fine particles have an average secondary particle size of 50 to 300 nm.

13. The sheet-state ink-jet recording material according to  
5 Claim 1, wherein the inorganic fine particles are at least one selected from the group consisting of fumed silica and alumina hydrate.

14. The sheet-state ink-jet recording material according to  
10 Claim 1, wherein a weight ratio of the hydrophilic binder to the inorganic fine particles is 0.4 or less.

15. The sheet-state ink-jet recording material according to  
15 Claim 1, wherein a weight ratio of the hydrophilic binder to the inorganic fine particles is 0.3 or less.

16. The sheet-state ink-jet recording material according to  
20 Claim 1, wherein the ink-receptive layer contains a hardener of the hydrophilic binder.

17. The sheet-state ink-jet recording material according to  
Claim 16, wherein the hardener is boric acid or a borate.

18. The sheet-state ink-jet recording material according to  
25 Claim 1, wherein the hydrophilic binder is polyvinyl alcohol having an average polymerization degree of 2500 to 5000.

19. The sheet-state ink-jet recording material according to  
30 Claim 1, wherein the sheet-state ink-jet recording material has a length to a longitudinal direction of 300 mm or shorter.

20. The sheet-state ink-jet recording material according to  
Claim 1, wherein the sheet-state ink-jet recording material has a length to a longitudinal direction of 200 mm or shorter.